

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: HELEN PEZZUTO Examiner #: 70058 Date: \_\_\_\_\_  
Art Unit: 1713 Phone Number 302-1108 Serial Number: 10/697,663  
Mail Box and Bldg/Room Location: Rein 10A29 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: SEE ATTACHED

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: 10/29/03

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

A copolymer shown in formula (1) derived from monomer "m" shown in formula (2) (see attached & N-isopropylacrylamide was exemplified) and a macromer shown in formula (3) (which is made from 10/697,669).

\* Search 10/697,669 first then with "m" monomer units. THANKS!

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____



# **STIC Search Report**

REM  
EIC 1700

**STIC Database Tracking Number: 129522**

**TO: Helen Pezzuto  
Location: REM 10A29  
Art Unit : 1713  
August 16, 2004**

**Case Serial Number: 10/697663**

**From: Kathleen Fuller  
Location: EIC 1700  
REMSSEN 4B28  
Phone: 571/272-2505  
Kathleen.Fuller@uspto.gov**

## **Search Notes**

=> file reg

FILE 'REGISTRY' ENTERED AT 12:33:38 ON 16 AUG 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 AUG 2004 HIGHEST RN 727358-71-6

DICTIONARY FILE UPDATES: 15 AUG 2004 HIGHEST RN 727358-71-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> file hcaplus

FILE 'HCAPLUS' ENTERED AT 12:33:43 ON 16 AUG 2004

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FILE COVERS 1907 - 16 Aug 2004 VOL 141 ISS 8

FILE LAST UPDATED: 15 Aug 2004 (20040815/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

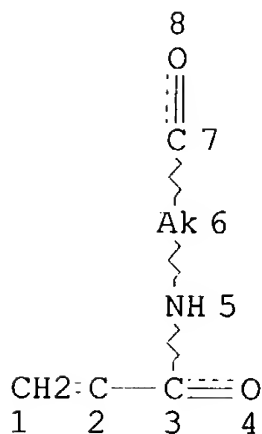
=> d que

L6

55 SEA FILE=REGISTRY ABB=ON (2210-25-5/BI OR 9001-63-2/BI OR 1432-45-7/BI OR 207442-00-0/BI OR 227182-79-8/BI OR 3025-95-4/BI OR 3025-96-5/BI OR 348625-87-6/BI OR 389636-39-9/BI OR 389636-40-2/BI OR 389636-41-3/BI OR 389636-42-4/BI OR 389636-43-5/BI OR 389636-44-6/BI OR 389636-45-7/BI OR 389636-46-8/BI OR 389636-47-9/BI OR 389636-48-0/BI OR 543-24-8/BI OR 5687-48-9/BI OR 57-08-9/BI OR 868-77-9/BI OR 107-95-9/BI OR 108-24-7/BI OR 110-18-9/BI OR 13749-61-6/BI OR 151954-97-1/BI OR 15214-89-8/BI OR 16731-55-8/BI OR 1892-57-5/BI OR 2235-00-9/BI OR 2491-17-0/BI OR 252371-64-5/BI OR 348625-86-5/BI OR 443905-61-1/BI OR

538-75-0/BI OR 556-50-3/BI OR 56-12-2/BI OR 56-40-6/BI OR  
 60-32-2/BI OR 61469-23-6/BI OR 71849-58-6/BI OR 75-36-5/BI OR  
 7512-17-6/BI OR 7681-57-4/BI OR 7727-21-1/BI OR 7727-54-0/BI  
 OR 78-67-1/BI OR 79-06-1/BI OR 79-10-7/BI OR 79-41-4/BI OR  
 79042-19-6/BI OR 814-68-6/BI OR 88-12-0/BI OR 97-65-4/BI)

L7 1 SEA FILE=REGISTRY ABB=ON L6 AND GLUCOSAMINE  
 L9 2 SEA FILE=REGISTRY ABB=ON MANNOSE/CN  
 L10 2 SEA FILE=REGISTRY ABB=ON GALACTOSE/CN OR SIALIC ACID/CN  
 L11 1 SEA FILE=REGISTRY ABB=ON "SIALIC ACID 9-O-ACETYLESTERASE"/CN  
 L12 2 SEA FILE=REGISTRY ABB=ON FRUCTOSE/CN  
 L13 6 SEA FILE=REGISTRY ABB=ON RIBULOSE/CN OR ERTHROLOSE/CN OR  
 XYLULOSE/CN OR PSICOSE/CN OR SORBOSE/CN OR TAGATOZE/CN  
 L14 3 SEA FILE=REGISTRY ABB=ON TAGATOZE/CN OR GLUCOPYRANOSE/CN  
 L15 3 SEA FILE=REGISTRY ABB=ON FRUCTOPYRANOSE/CN OR DEOXYRIBOSE/CN  
 OR GALACTOSAMINE/CN OR SUCROSE/CN  
 L16 7 SEA FILE=REGISTRY ABB=ON FRUCTOFURANOSE/CN OR LACTOSE/CN OR  
 ISOMALTOSE/CN OR MALTOSE/CN OR CELLOBIOSE/CN OR CELLULOSE/CN  
 OR AMYLASE/CN  
 L17 27 SEA FILE=REGISTRY ABB=ON L7 OR (L9 OR L10 OR L11 OR L12 OR  
 L13 OR L14 OR L15 OR L16)  
 L18 222 SEA FILE=REGISTRY ABB=ON 3458-28-4/CRN OR 3615-39-2/CRN OR  
 5556-48-9/CRN OR 5962-29-8/CRN OR 7512-17-6/CRN OR 7535-00-4/CR  
 N OR 9000-92-4/CRN  
 L19 6684 SEA FILE=REGISTRY ABB=ON 9004-34-6/CRN OR 16984-36-4/CRN OR  
 89400-31-7/CRN OR 31103-86-3/CRN OR 30237 R 26566-61-0/CRN  
 OR 26566-61-0  
 L20 6702 SEA FILE=REGISTRY ABB=ON 17598-81-1/CRN OR 16984-36-4/CRN  
 OR 9004-34-6/CRN  
 L27 STR



*5,052 structures*

## NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS M4 C AT 6

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 8

## STEREO ATTRIBUTES: NONE

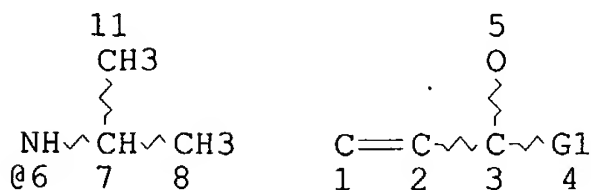
L29 5052 SEA FILE=REGISTRY SSS FUL L27

L37 279603 SEA FILE=HCAPLUS ABB=ON NAG OR ?GLUCOSAMINE? OR MANNOSE OR  
 GALACTOSE OR SIALIC ACID OR FRUCTOSE OR RIULOSE OR ERYTHROLOSE  
 OR XYLULOSE OR PSICOSE OR SORBOSE OR TAGATOSE OR GLUCOPYRANOSE  
 OR FRUCTOFURAN? OR DEOXYRIBOSE OR GALACTOSAMINE OR SUCROSE

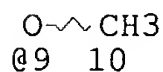
L38 425009 SEA FILE=HCAPLUS ABB=ON RIBULOSE OR ERYTHROLOS? OR LACTOSE OR

ISOMALTOSE OR MALTOSE OR CELLOBIOSE OR CELLULOSE OR AMYLASE  
STR

L59



*Submit search*



*2,403 polymers*

VAR G1=NH2/OH/9/6

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE

L61	2403	SEA	FILE=REGISTRY	SUB=L29	SSS	FUL	L59
L62	<u>2</u>	SEA	FILE=REGISTRY	ABB=ON	L61	AND	(L18 OR L19 OR L20)
L63	3	SEA	FILE=HCAPLUS	ABB=ON	L62		
L64	1305	SEA	FILE=HCAPLUS	ABB=ON	L61		
L65	764	SEA	FILE=HCAPLUS	ABB=ON	L64(L)	(PREP OR SPN OR IMF OR POF)/RL	
L67	228643	SEA	FILE=HCAPLUS	ABB=ON	L17		
L73	27	SEA	FILE=HCAPLUS	ABB=ON	L65	AND	(L67 OR L37 OR L38)
L74	16	SEA	FILE=HCAPLUS	ABB=ON	L73	AND	(POLYMER? OR PLASTIC?)/SC,SX
L75	19	SEA	FILE=HCAPLUS	ABB=ON	L63	OR	L74
L76	9	SEA	FILE=HCAPLUS	ABB=ON	L65	AND	CARBOHYDRATE?
L77	3	SEA	FILE=HCAPLUS	ABB=ON	L76	AND	(POLYMER? OR PLASTIC?)/SC,SX
L78	<u>21</u>	SEA	FILE=HCAPLUS	ABB=ON	L75	OR	L77

*2 polymer & carbohydrate*

=&gt; d 178 all 1-21 hitstr

L78 ANSWER 1 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2003:607449 HCAPLUS  
 DN 139:165084  
 ED Entered STN: 08 Aug 2003  
 TI Manufacture of polymer latexes by polymerization of monomer mixtures  
 incorporating polymerizable **carbohydrate** surfactants  
 IN Yaacoub, E. J.  
 PA Wella A.-G., Germany  
 SO Ger. Offen., 12 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 IC ICM C08F251-00  
 ICS C09D005-02; C08L021-02; C09D121-02  
 CC 35-4 (Chemistry of Synthetic High **Polymers**)  
 Section cross-reference(s): 33, 46  
 FAN.CNT 1